

ib/691,269

\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* STN Columbus; \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*

FILE 'HOME' ENTERED AT 15:46:29 ON 03 FEB 2008

=> file reg		SINCE FILE	TOTAL
COST IN U.S. DOLLARS		ENTRY	SESSION
FULL ESTIMATED COST		1.05	1.05

FILE 'REGISTRY' ENTERED AT 15:49:20 ON 03 FEB 2008  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 1 FEB 2008 HIGHEST RN 1001383-72-7  
DICTIONARY FILE UPDATES: 1 FEB 2008 HIGHEST RN 1001383-72-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

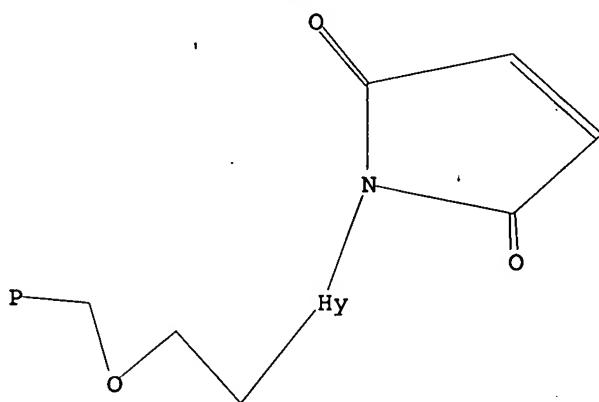
<http://www.cas.org/support/stngen/stndoc/properties.html>

\*\*\* YOU HAVE NEW MAIL \*\*\*

=>  
Uploading C:\Program Files\Stnexp\Queries\10691269.str

L1 STRUCTURE uploaded

=> d 11  
L1 HAS NO ANSWERS  
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 full  
FULL SEARCH INITIATED 15:49:53 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 358 TO ITERATE  
100.0% PROCESSED 358 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01  
L2 0 SEA SSS FUL L1  
=>

=>  
Uploading c:\Program Files\Stnexp\Queries\10691269.2

L3 STRUCTURE uploaded

=> d 13  
L3 HAS NO ANSWERS  
L3 STR

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

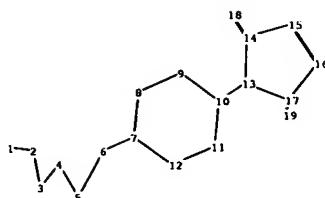
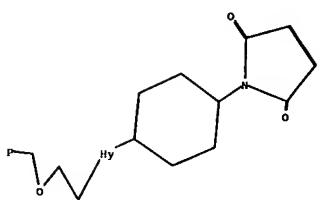
Structure attributes must be viewed using STN Express query preparation.

=> s 13 full  
FULL SEARCH INITIATED 15:58:29 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 358 TO ITERATE

100.0% PROCESSED 358 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L4 0 SEA SSS FUL L3

=>



chain nodes :

1 2 3 4 5 6 18 19

ring nodes :

7 8 9 10 11 12 13 14 15 16 17

chain bonds :

1-2 2-3 3-4 4-5 5-6 6-7 10-13 14-18 17-19

ring bonds :

7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-17 14-15 15-16 16-17

exact/norm bonds :

2-3 3-4 5-6 6-7 7-8 7-12 8-9 9-10 10-11 10-13 11-12 13-14 13-17 14-15 14-18 15-16 16-17 17-19

exact bonds :

1-2 4-5

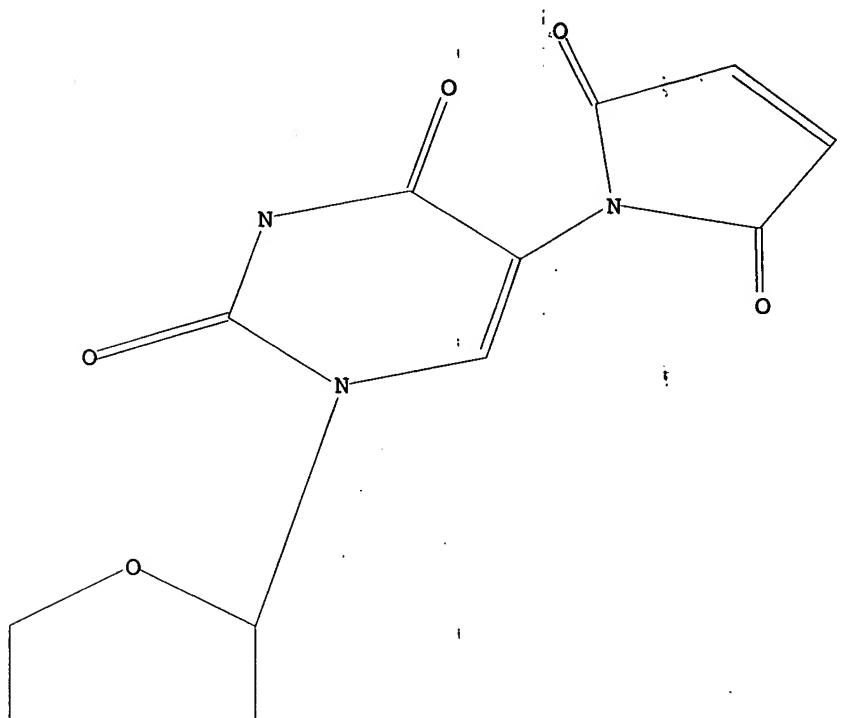
Match level :

1:CLASS2:CLASS3:CLASS4:CLASS5:CLASS6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom  
14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS19:CLASS

=>  
Uploading c:\Program Files\Stnexp\Queries\10691269.3

L5       STRUCTURE UPLOADED

=> d 15  
L5 HAS NO ANSWERS  
L5       STR



Structure attributes must be viewed using STN Express query preparation.

=> s 15 full  
FULL SEARCH INITIATED 16:04:47 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED -       164 TO ITERATE

100.0% PROCESSED       164 ITERATIONS                           0 ANSWERS  
SEARCH TIME: 00.00.01

L6       0 SEA SSS FUL L5

=>

=>  
Uploading c:\Program Files\Stnexp\Queries\10691269.4

L7 STRUCTURE uploaded

=> d 17  
L7 HAS NO ANSWERS  
L7 STR

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

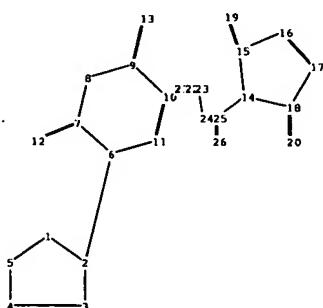
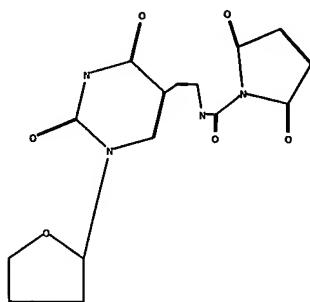
Structure attributes must be viewed using STN Express query preparation.

=> s 17 full  
FULL SEARCH INITIATED 16:07:24 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 43 TO ITERATE

100.0% PROCESSED 43 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L8 0 SEA SSS FUL L7

=>



chain nodes :

12 13 19 20 21 22 23 24 25 26

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 14 15 16 17 18

chain bonds :

2-6 7-12 9-13 10-21 14-25 15-19 18-20 21-22 22-23 23-24 24-25 25-26

ring bonds :

1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11 14-18 14-15 15-16 16-17 17-18

exact/norm bonds :

1-2 1-5 2-3 2-6 3-4 4-5 6-7 6-11 7-8 7-12 8-9 9-10 9-13 10-11 14-18 14-15 14-25 15-16 15-19 16-17  
17-18 18-20 23-24 24-25 25-26

exact bonds :

10-21 21-22 22-23

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:CLASS13:CLASS14:Atom  
15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS20:CLASS21:CLASS22:CLASS23:CLASS24:CLASS25:CLASS26:CLASS

=>  
Uploading c:\Program Files\Stnexp\Queries\10691269.5

L9 STRUCTURE UPLOADED

=> d 19  
L9 HAS NO ANSWERS  
L9 STR

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

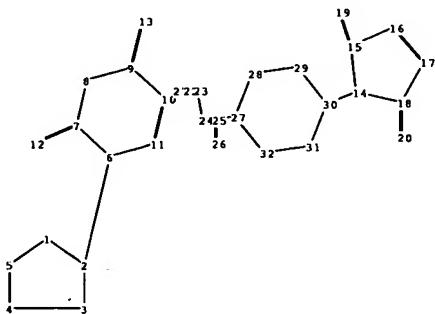
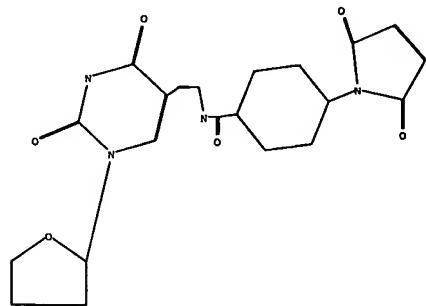
Structure attributes must be viewed using STN Express query preparation.

=> s 19 full  
FULL SEARCH INITIATED 16:10:21 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 262 TO ITERATE

100.0% PROCESSED 262 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L10 0 SEA SSS FUL L9

=>



chain nodes :

12 13 19 20 21 22 23 24 25 26

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 14 15 16 17 18 27 28 29 30 31 32

chain bonds :

2-6 7-12 9-13 10-21 14-30 15-19 18-20 21-22 22-23 23-24 24-25 25-26 25-27

ring bonds :

1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11 14-18 14-15 15-16 16-17 17-18 27-28 27-32 28-29  
29-30 30-31 31-32

exact/norm bonds :

1-2 1-5 2-3 2-6 3-4 4-5 6-7 6-11 7-8 7-12 8-9 9-10 9-13 10-11 14-18 14-15 14-30 15-16 15-19 16-17  
17-18 18-20 23-24 24-25 25-26 27-28 27-32 28-29 29-30 30-31 31-32

exact bonds :

10-21 21-22 22-23 25-27

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:CLASS13:CLASS14:Atom  
15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS20:CLASS21:CLASS22:CLASS23:CLASS24:CLASS25:CLASS26:CLASS  
27:Atom 28:Atom 29:Atom 30:Atom 31:Atom 32:Atom

=>  
Uploading c:\Program Files\Stnexp\Queries\10691269.6

L11       STRUCTURE UPLOADED

=> d l11  
L11 HAS NO ANSWERS  
L11       STR

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

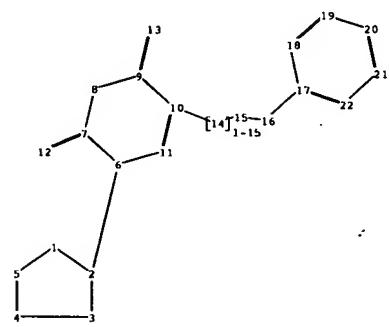
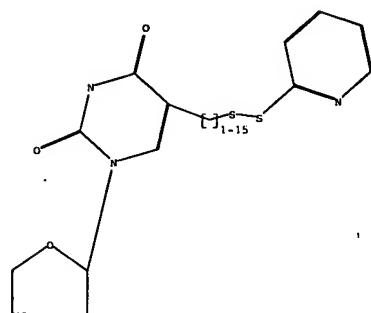
Structure attributes must be viewed using STN Express query preparation.

=> s l11 full  
FULL SEARCH INITIATED 16:14:25 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED -           8 TO ITERATE

100.0% PROCESSED       8 ITERATIONS                           0 ANSWERS  
SEARCH TIME: 00.00.01

L12       0 SEA SSS FUL L11

=>



chain nodes :

12 13 14 15 16

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 17 18 19 20 21 22

chain bonds :

2-6 7-12 9-13 10-14 14-15 15-16 16-17

ring bonds :

1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11 17-18 17-22 18-19 19-20 20-21 21-22

exact/norm bonds :

1-2 1-5 2-3 2-6 3-4 4-5 6-7 6-11 7-8 7-12 8-9 9-10 9-13 10-11 14-15 15-16 16-17

exact bonds :

10-14

normalized bonds :

17-18 17-22 18-19 19-20 20-21 21-22

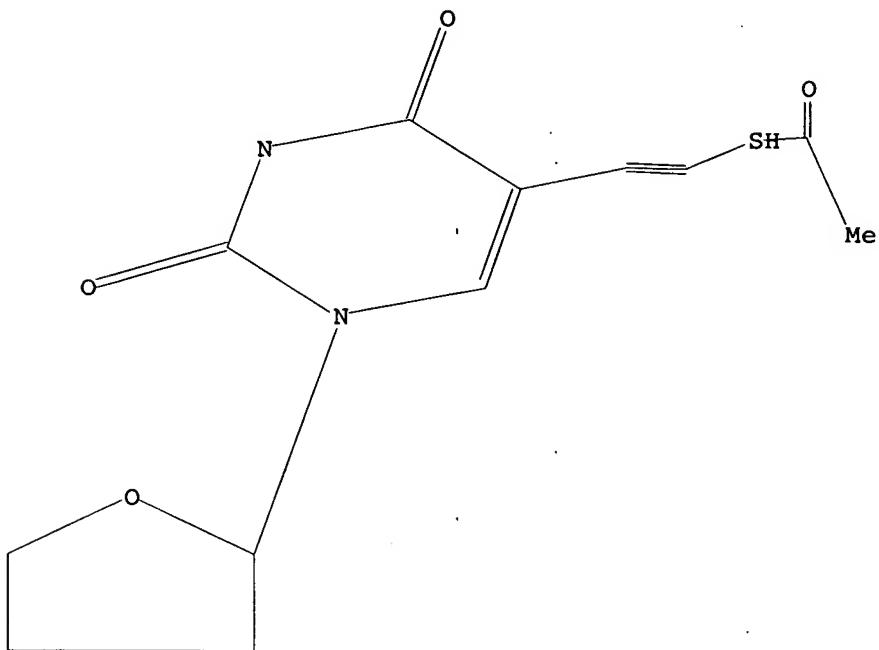
Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:CLASS13:CLASS14:CLASS15:CLASS16:CLASS17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom

=>  
Uploading c:\Program Files\Stnexp\Queries\10691269.7

L14 STRUCTURE UPLOADED

=> d 114  
L14 HAS NO ANSWERS  
L14 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 114 full  
FULL SEARCH INITIATED 16:24:13 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L15 0 SEA SSS FUL L14

=>

=>  
Uploading c:\Program Files\Stnexp\Queries\10691269.8

L16 STRUCTURE UPLOADED

=> d 116  
L16 HAS NO ANSWERS  
L16 STR

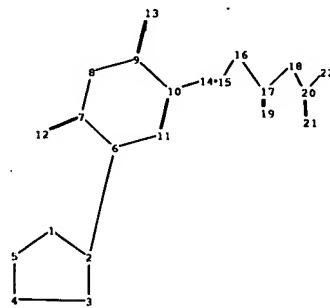
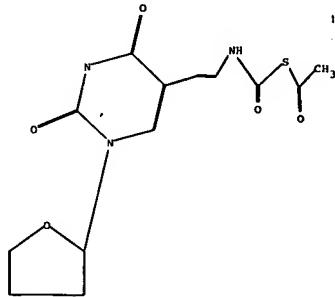
\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

Structure attributes must be viewed using STN Express query preparation.

=> s 116 full  
FULL SEARCH INITIATED 16:28:06 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 215 TO ITERATE  
100.0% PROCESSED 215 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L17 0 SEA SSS FUL L16

=>



chain nodes :

12 13 14 15 16 17 18 19 20 21 22

ring nodes :

1 2 3 4 5 6 7 8 9 10 11

chain bonds :

2-6 7-12 9-13 10-14 14-15 15-16 16-17 17-18 17-19 18-20 20-21 20-22

ring bonds :

1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11

exact/norm bonds :

1-2 1-5 2-3 2-6 3-4 4-5 6-7 6-11 7-8 7-12 8-9 9-10 9-13 10-11 15-16 16-17 17-18 17-19 18-20 20-21

exact bonds :

10-14 14-15 20-22

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:CLASS13:CLASS14:CLASS15:CLASS16:CLASS17:CLASS18:CLASS19:CLASS20:CLASS21:CLASS22:CLASS

=>  
Uploading c:\Program Files\Stnexp\Queries\10691269.9

L18 STRUCTURE UPLOADED

=> d 118  
L18 HAS NO ANSWERS  
L18 STR

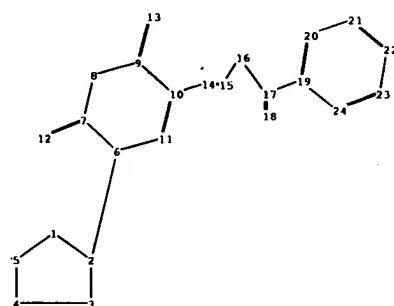
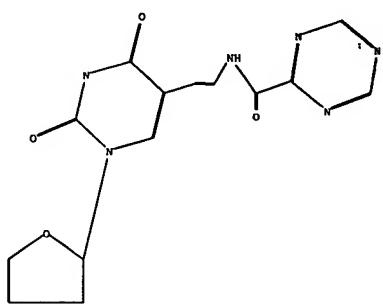
\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

Structure attributes must be viewed using STN Express query preparation.

=> s 118 full  
FULL SEARCH INITIATED 16:30:37 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 0 TO ITERATE  
100.0% PROCESSED 0 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L19 0 SEA SSS FUL L18

=>



chain nodes :

12 13 14 15 16 17 18

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 19 20 21 22 23 24

chain bonds :

2-6 7-12 9-13 10-14 14-15 15-16 16-17 17-18 17-19

ring bonds :

1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11 19-20 19-24 20-21 21-22 22-23 23-24

exact/norm bonds :

1-2 1-5 2-3 2-6 3-4 4-5 6-7 6-11 7-8 7-12 8-9 9-10 9-13 10-11 15-16 16-17 17-18

exact bonds :

10-14 14-15 17-19

normalized bonds :

19-20 19-24 20-21 21-22 22-23 23-24

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:CLASS13:CLASS14:CLASS15:CLASS16:CLASS17:CLASS18:CLASS19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS

=>  
Uploading c:\Program Files\Stnexp\Queries\10691269.10

L20 STRUCTURE UPLOADED

=> d 120  
L20 HAS NO ANSWERS  
L20 STR

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

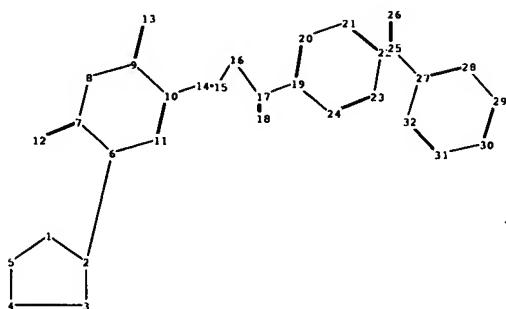
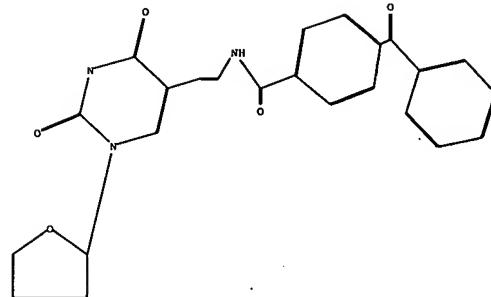
Structure attributes must be viewed using STN Express query preparation.

=> s 120 full  
FULL SEARCH INITIATED 16:32:29 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 20 TO ITERATE

100.0% PROCESSED 20 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L21 0 SEA SSS FUL L20

=>



chain nodes :

12 13 14 15 16 17 18 25 26

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 19 20 21 22 23 24 27 28 29 30 31 32

chain bonds :

2-6 7-12 9-13 10-14 14-15 15-16 16-17 17-18 17-19 22-25 25-26 25-27

ring bonds :

1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11 19-20 19-24 20-21 21-22 22-23 23-24 27-28 27-32  
28-29 29-30 30-31 31-32

exact/norm bonds :

1-2 1-5 2-3 2-6 3-4 4-5 6-7 6-11 7-8 7-12 8-9 9-10 9-13 10-11 15-16 16-17 17-18 25-26

exact bonds :

10-14 14-15 17-19 22-25 25-27

normalized bonds :

19-20 19-24 20-21 21-22 22-23 23-24 27-28 27-32 28-29 29-30 30-31 31-32

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:CLASS13:CLASS14:CLASS15:CLASS16:CLASS17:CLASS18:CLASS19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS25:CLASS26:CLASS27:Atom 28:Atom 29:Atom 30:Atom 31:Atom 32:Atom

=>  
Uploading c:\Program Files\Stnexp\Queries\10691269.11

L22 STRUCTURE UPLOADED

=> d 122  
L22 HAS NO ANSWERS  
L22 STR

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

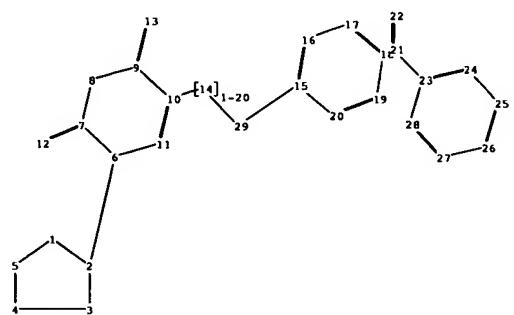
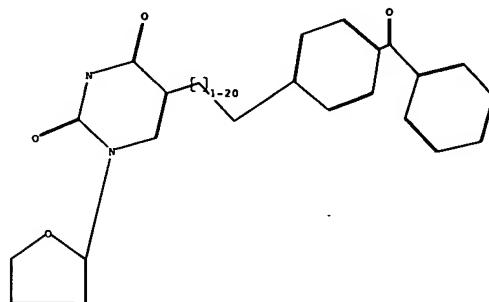
Structure attributes must be viewed using STN Express query preparation.

=> s 122 full  
FULL SEARCH INITIATED 16:34:13 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 61 TO ITERATE

100.0% PROCESSED 61 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L23 0 SEA SSS FUL L22

=>



chain nodes :

12 13 14 21 22 29

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 15 16 17 18 19 20 23 24 25 26 27 28

chain bonds :

2-6 7-12 9-13 10-14 14-29 15-29 18-21 21-22 21-23

ring bonds :

1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11 15-20 15-16 16-17 17-18 18-19 19-20 23-24 23-28  
24-25 25-26 26-27 27-28

exact/norm bonds :

1-2 1-5 2-3 2-6 3-4 4-5 6-7 6-11 7-8 7-12 8-9 9-10 9-13 10-11 21-22

exact bonds :

10-14 14-29 15-29 18-21 21-23

normalized bonds :

15-20 15-16 16-17 17-18 18-19 19-20 23-24 23-28 24-25 25-26 26-27 27-28

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:CLASS13:CLASS14:CLASS15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:CLASS21:CLASS22:CLASS23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:CLASS

=>  
Uploading c:\Program Files\Stnexp\Queries\10691269.12

L24 STRUCTURE UPLOADED

=> d 124  
L24 HAS NO ANSWERS  
L24 STR

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

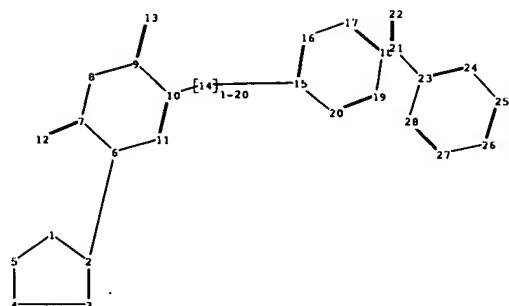
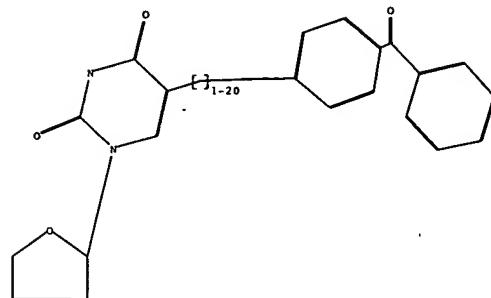
Structure attributes must be viewed using STN Express query preparation.

=> s 124 full  
FULL SEARCH INITIATED 16:39:19 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 78 TO ITERATE

100.0% PROCESSED 78 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L25 0 SEA SSS FUL L24

=>



chain nodes :

12 13 14 21 22

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 15 16 17 18 19 20 23 24 25 26 27 28

chain bonds :

2-6 7-12 9-13 10-14 14-15 18-21 21-22 21-23

ring bonds :

1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11 15-20 15-16 16-17 17-18 18-19 19-20 23-24 23-28  
24-25 25-26 26-27 27-28

exact/norm bonds :

1-2 1-5 2-3 2-6 3-4 4-5 6-7 6-11 7-8 7-12 8-9 9-10 9-13 10-11 21-22

exact bonds :

10-14 14-15 18-21 21-23

normalized bonds :

15-20 15-16 16-17 17-18 18-19 19-20 23-24 23-28 24-25 25-26 26-27 27-28

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:CLASS13:CLASS14:CLASS15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:CLASS21:CLASS22:CLASS23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom

=>  
Uploading c:\Program Files\Stnexp\Queries\10691269.13

L26 STRUCTURE UPLOADED

=> d 126  
L26 HAS NO ANSWERS  
L26 STR

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

Structure attributes must be viewed using STN Express query preparation.

=> s 126 full  
FULL SEARCH INITIATED 16:44:37 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 1 TO ITERATE  
  
100.0% PROCESSED 1 ITERATIONS 1 ANSWERS  
SEARCH TIME: 00.00.01

L27 1 SEA SSS FUL L26

=> file CAPLUS  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
FULL ESTIMATED COST ENTRY SESSION  
2362.17 2363.22

FILE 'CAPLUS' ENTERED AT 16:44:46 ON 03 FEB 2008  
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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FILE LAST UPDATED: 1 Feb 2008 (20080201/ED)

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<http://www.cas.org/infopolicy.html>

=> S L27  
L28 1 L27

=> D L28 BIB ABS HITSTR

L28 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2004:371057 CAPLUS  
DN 140:386986  
TI Modified nucleotides for labeling nucleic acids and for attaching nucleic acids to surfaces  
IN Anderson, Jack D.; Braman, Jeffrey Carl; Huang, Haoqiang

PA Stratagene, USA  
 SO PCT Int. Appl., 61 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004037989	A2	20040506	WO 2003-US33520	20031023
	WO 2004037989	A3	20040805		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2005003371	A1	20050106	US 2003-691269	20031022
	AU 2003285942	A1	20040513	AU 2003-285942	20031023
PRAI	US 2002-420675P	P	20021023		
	WO 2003-US33520	W	20031023		

AB The invention relates to functionalized nucleotides that permit the covalent linkage of the nucleotides to moieties containing reactive groups complementary to the functional group. More specifically, the invention relates to nucleotides comprising a functional group attached to the nucleobase that permits the covalent attachment of the nucleotides or a nucleic acid comprising such nucleotides to detectable moieties, polypeptides and solid supports. The invention further relates to nucleic acids comprising such functionalized nucleotides, methods of labeling nucleic acids with such nucleotides, and kits comprising such nucleotides. Thus, oligonucleotides were labeled using terminal deoxynucleotide transferase or DNA polymerase and pyridine dithiopropanoate-labeled, maleimido methylcyclohexane-labeled, or thioacetyl-labeled dUTP. These modified oligonucleotides were reacted with 2-iminothiolane-modified alkaline phosphatase to generate labeled hybridization probes.

IT 685111-85-7

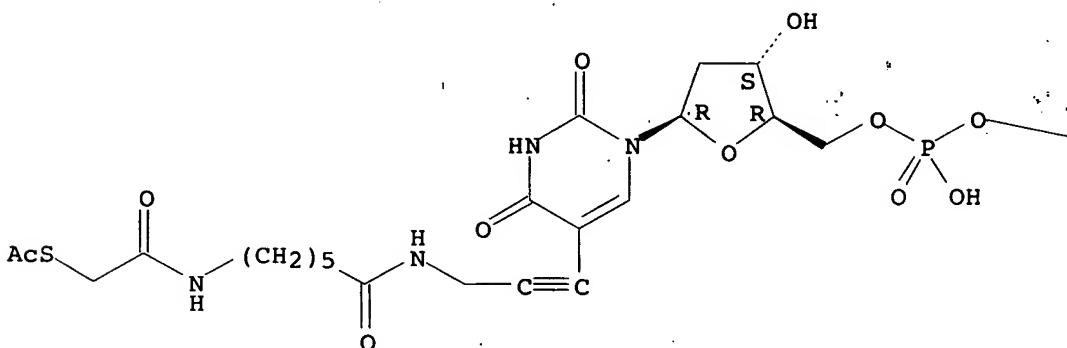
RL: ARU (Analytical role, unclassified); ANST (Analytical study)  
(modified nucleotides for labeling nucleic acids and for attaching nucleic acids to surfaces)

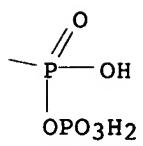
RN 685111-85-7 CAPLUS

CN Uridine 5'-(tetrahydrogen triphosphate), 5-[3-[[6-[(acetylthio)acetyl]amino]-1-oxohexyl]amino]-1-propynyl]-2'-deoxy- (9CI)  
(CA INDEX NAME)

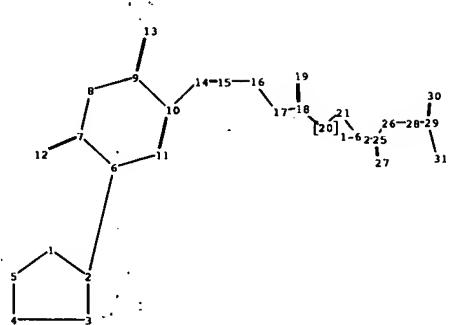
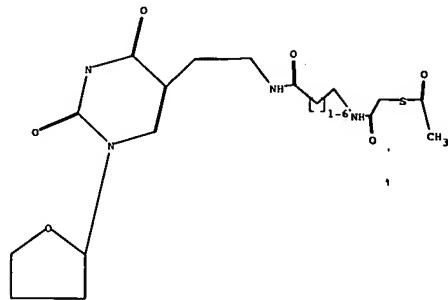
Absolute stereochemistry.

PAGE 1-A





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chain nodes :

12 13 14 15 16 17 18 19 20 21 22 25 26 27 28 29 30 31

ring nodes :

1 2 3 4 5 6 7 8 9 10 11

chain bonds :

2-6 7-12 9-13 10-14 14-15 15-16 16-17 17-18 18-19 18-20 20-21 21-22 22-25 25-26 25-27 26-28 28-29  
29-30 29-31

ring bonds :

1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11

exact/norm bonds :

1-2 1-5 2-3 2-6 3-4 4-5 6-7 6-11 7-8 7-12 8-9 9-10 9-13 10-11 16-17 17-18 18-19 21-22 22-25 25-27  
26-28 28-29 29-30

exact bonds :

10-14 14-15 15-16 18-20 20-21 25-26 29-31

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:CLASS13:CLASS14:CLASS15:CLASS16:CLASS17:CLASS18:CLASS19:CLASS20:CLASS21:CLASS22:CLASS25:CLASS26:CLASS27:CLASS28:CLASS29:CLASS30:CLASS31:CLASS

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L32 STRUCTURE UPLOADED

=> d 132  
L32 HAS NO ANSWERS  
L32 STR  
\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

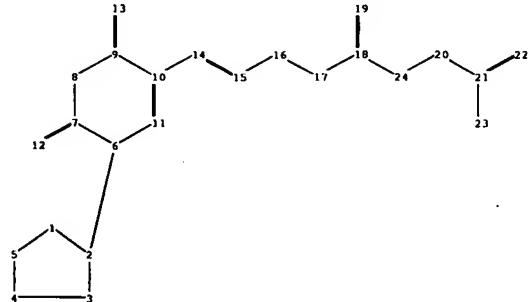
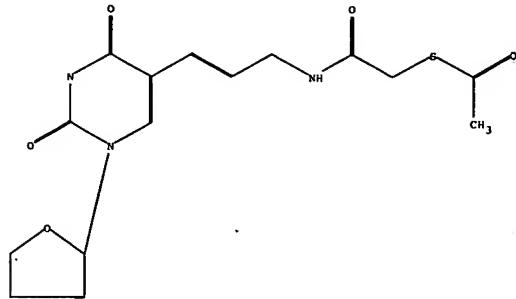
Structure attributes must be viewed using STN Express query preparation.

=> s 132 full  
FULL SEARCH INITIATED 16:49:08 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L33 0 SEA SSS FUL L32

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chain nodes :

12 13 14 15 16 17 18 19 20 21 22 23 24

ring nodes :

1 2 3 4 5 6 7 8 9 10 11

chain bonds :

2-6 7-12 9-13 10-14 14-15 15-16 16-17 17-18 18-19 18-24 20-21 20-24 21-22 21-23

ring bonds :

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exact/norm bonds :

1-2 1-5 2-3 2-6 3-4 4-5 6-7 6-11 7-8 7-12 8-9 9-10 9-13 10-11 16-17 17-18 18-19 20-21 20-24 21-22

exact bonds :

10-14 14-15 15-16 18-24 21-23

Match level :

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